

## Cómo Ingresar a la Red de Pruebas.



### Scolcoin Wei Chain 2023

Por el equipo de Accolombia 4.0 S.A.S y Blockchain Technology  
<https://scolcoin.com>

**Creación Scolcoin Nativo: Enero 3, 2018**

**Creación Scolcoin Wei Chain: marzo 13, 2023**

La Blockchain de Colombia descentralizada gobernada democráticamente por personas, el activo digital más antiguo del mercado nacional y de código abierto. La tecnología Blockchain de Scolcoin Wei Chain convierte a nuestro país en pionero con tres mercados Scolcoin Nativo, Scolcoin Token, y Scol Wei una revolución en almacenamiento con Smart Contract en la **versión 2023**

## MetaMask

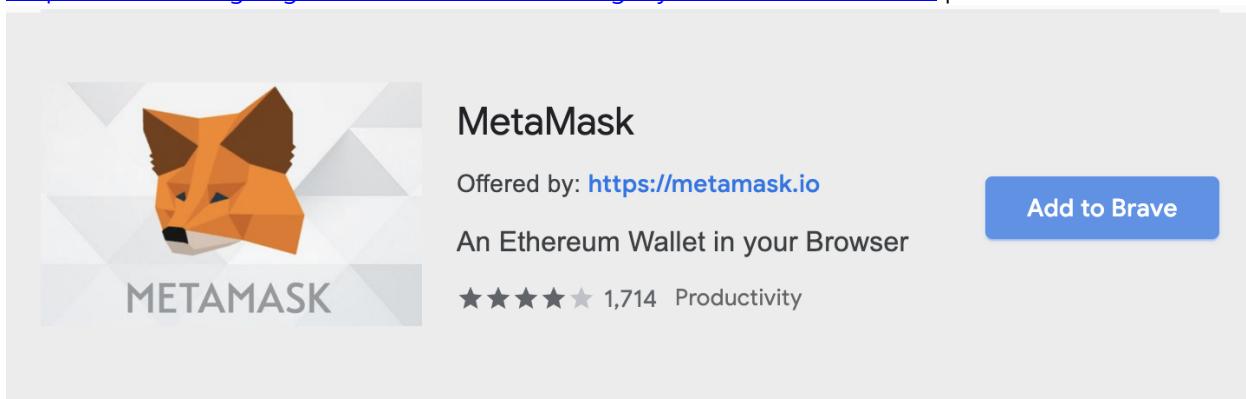
- Descargar la aplicación en su dispositivo.
- Crear Frase de Seguridad y almacenarla en un lugar seguro.

Instalar

Ejemplo: instalar MetaMask en el navegador Brave

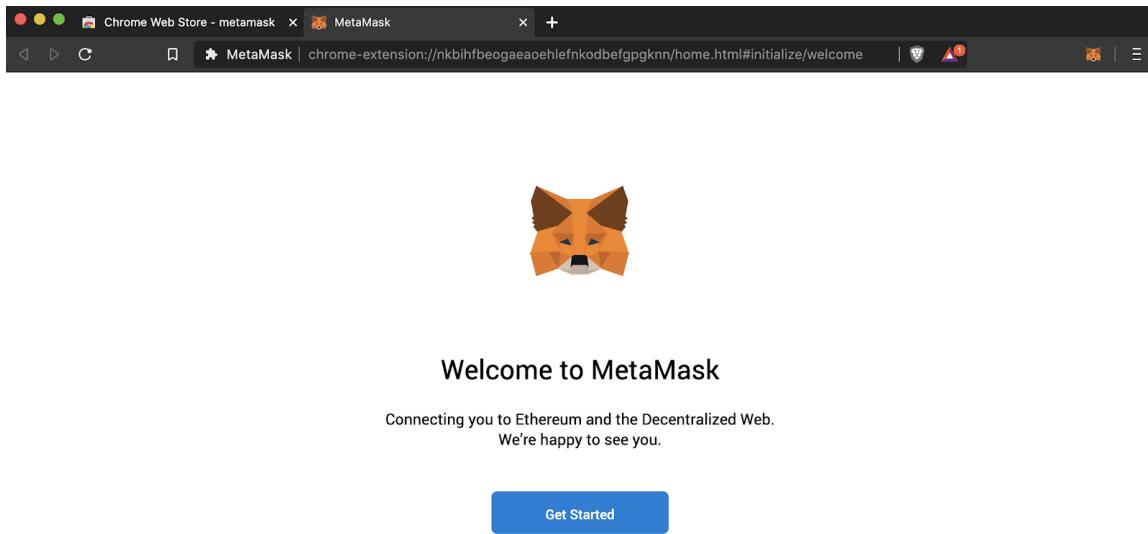
Abrir categoría de extensión en Brave:

<https://chrome.google.com/webstore/category/extensionsSearch> para Metamask



Haga clic en "Agregar a Brave"

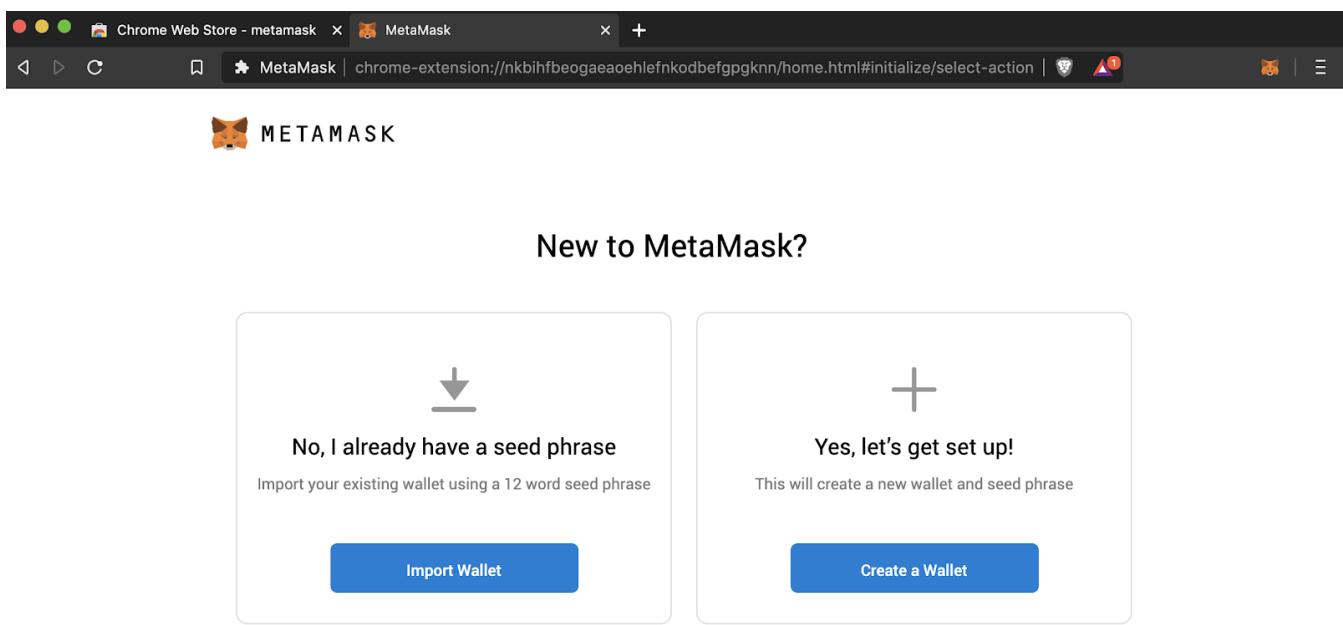
¡Eso es todo! ¡Ha instalado con éxito la extensión MetaMask en Brave!



Crear una cuenta en MetaMask para ScolCoin Chain

Haga clic en el botón "Crear una billetera"





The screenshot shows the MetaMask wallet setup interface in a browser window. The title bar reads "Chrome Web Store - metamask" and "MetaMask". The main heading is "New to MetaMask?". It offers two options: "No, I already have a seed phrase" (with a downward arrow icon) and "Yes, let's get set up!" (with a plus sign icon). Below each option is a brief description and a blue "Import Wallet" or "Create a Wallet" button.

Crea una contraseña de al menos 8 caracteres



< Back

## Create Password

New Password (min 8 chars)

Confirm Password



I have read and agree to the [Terms of Use](#)

[Create](#)



Haga clic en "Crear" y luego escriba su frase de respaldo.



## Secret Backup Phrase

Your secret backup phrase makes it easy to back up and restore your account.

**WARNING:** Never disclose your backup phrase. Anyone with this phrase can take your Ether forever.



[Remind me later](#)

[Next](#)

Tips:

Store this phrase in a password manager like 1Password.

Write this phrase on a piece of paper and store in a secure location. If you want even more security, write it down on multiple pieces of paper and store each in 2 - 3 different locations.

Memorize this phrase.

[Download this Secret Backup Phrase and keep it stored safely on an external encrypted hard drive or storage medium.](#)

Seleccione cada frase para asegurarse de que sea correcta y luego haga clic en "Confirmar".



< Back

### Confirm your Secret Backup Phrase

Please select each phrase in order to make sure it is correct.



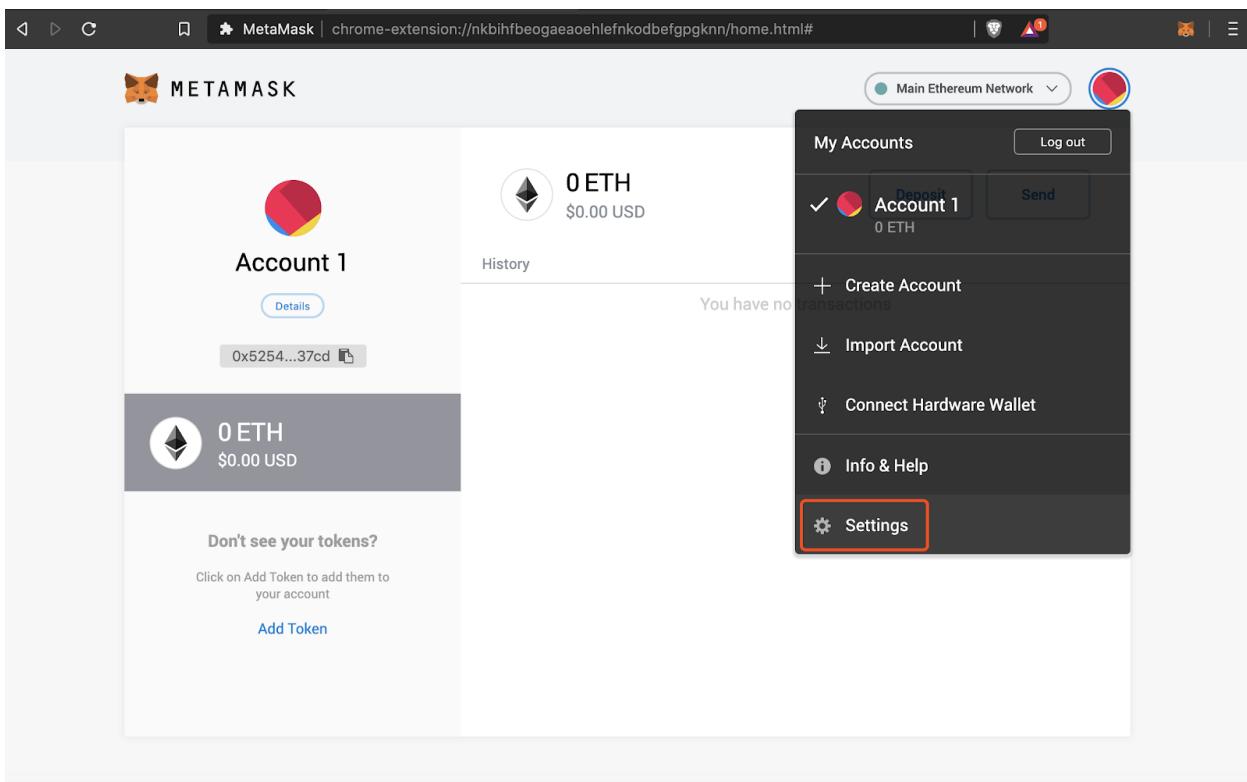
[Confirm](#)



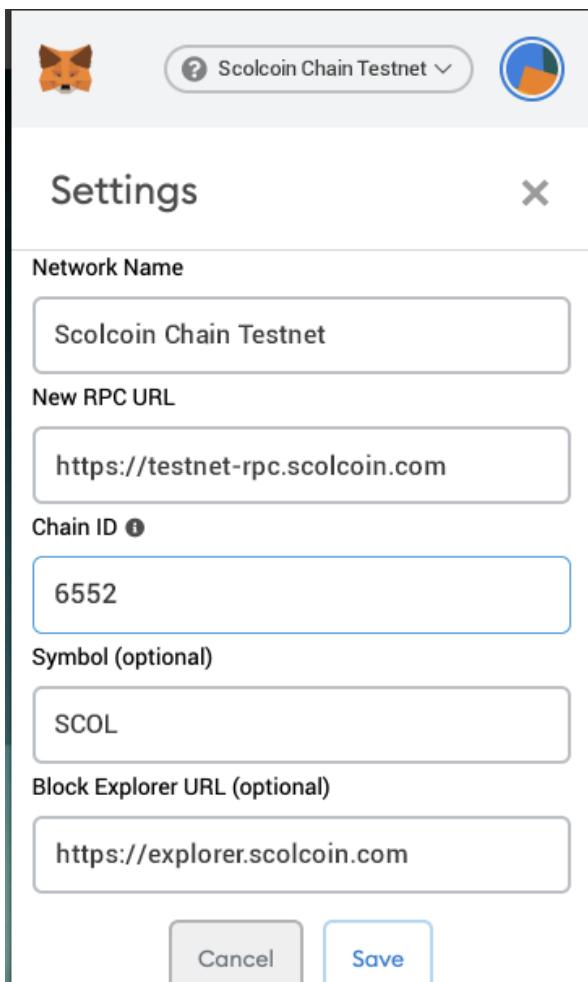
¡Felicidades! ¡has creado tu cuenta MetaMask!

Conecte su MetaMask con la cadena ScolCoin

- Ir a la página de configuración



Agregar una nueva red



## Configuración:

Network Name:

**Scolcoin Chain Tesnet**

Nueva dirección URL de RPC:

**https://testnet-rpc.scolcoin.com**

Identificador de cadena:

**6552**

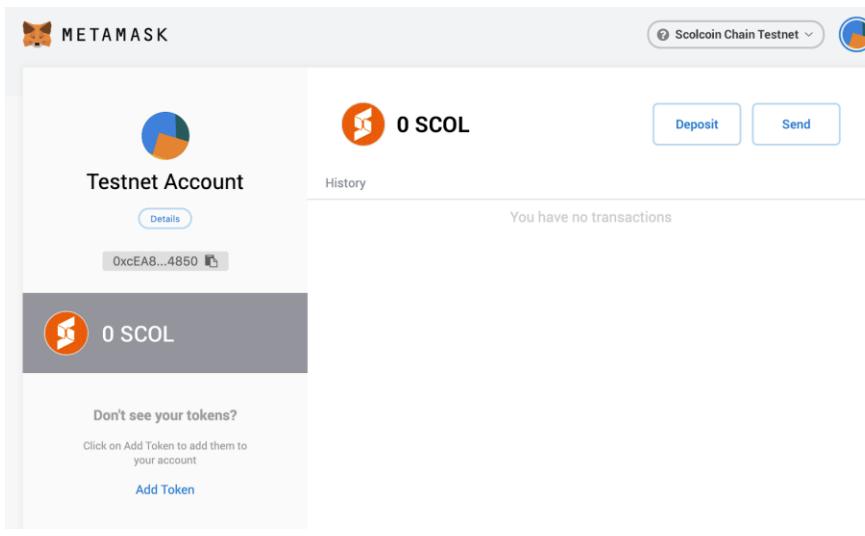
Símbolo de moneda:

**SCOL**

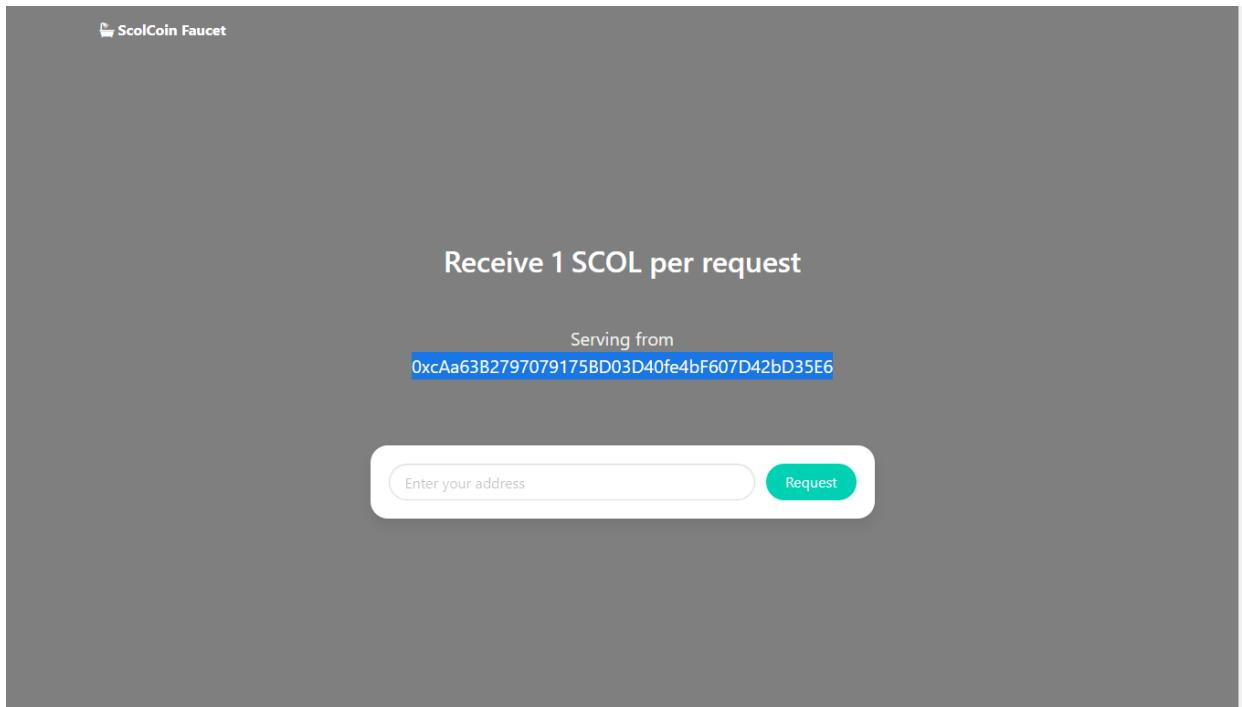
Dirección URL del explorador de bloques:

**https://testnet-explorer.scolcoin.com**

Reclame algún token de testnet para su cuenta Haga clic en su dirección para obtener una copia



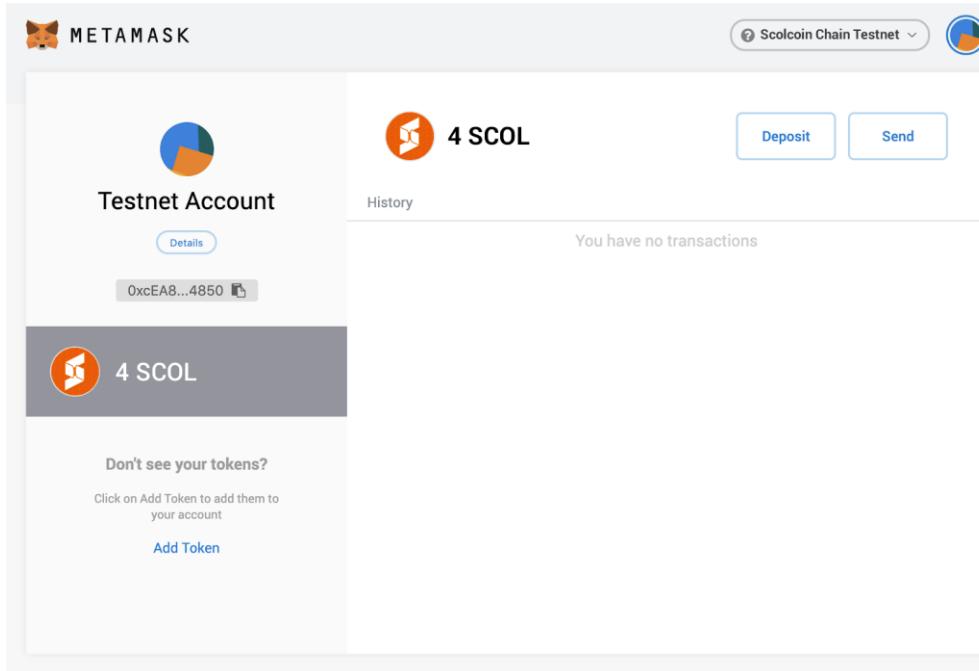
Vaya a la página del grifo: <https://faucet.scolcoin.com/> , luego pegue su dirección en el cuadro y haga clic en "Dame SCOL"



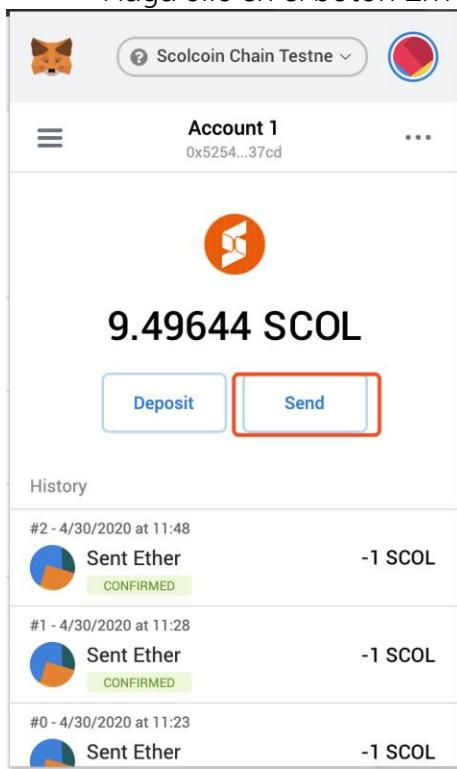
Después de enviar la transacción de transferencia, verá un aumento de su saldo.

### Transferir SCOL a otra dirección de la cadena ScolCoin:

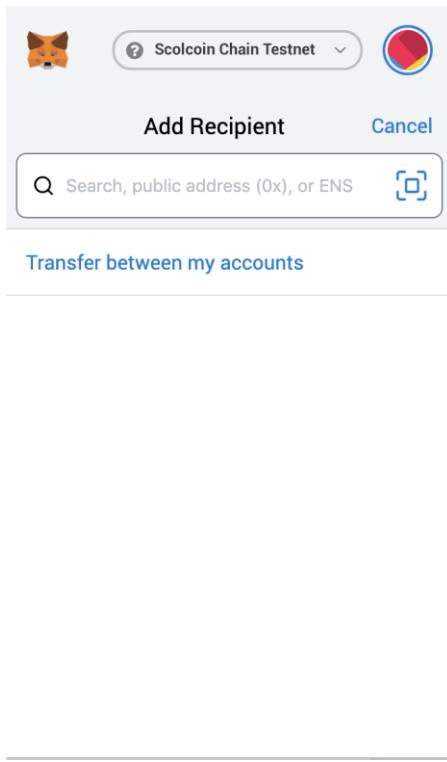
Inicie sesión en su MetaMask



- Haga clic en el botón Enviar



Copie la dirección del destinatario en el cuadro



Ingrese la cantidad

Scolcoin Chain Testnet

Send ETH

Testnet Account  
0xcea822708b0932e0b49b9d7c6e341a7c83d24850

Asset: ETH  
Balance: 9.48824 SCOL

Amount: 1 SCOL  
No Conversion Rate Available

Transaction Fee:  
Slow 0.00038 ETH  
Average 0.00042 ETH  
Fast 0.0005 ETH

Advanced Options

Cancel Next

Vaya a Opciones avanzadas para modificar el precio del gas predeterminado cuando sea necesario

Customize Gas

New Transaction Fee: 0.000378 ETH

Gas Price (GWEI): 18

Gas Limit: 21000

Chart only available on Ethereum networks.

Send Amount	1 ETH
Transaction Fee	0.000378 ETH
New Total	1.000378 ETH

Save

Confirme su transacción, luego haga clic en Siguiente

Send ETH      Cancel

Testnet Account  
0xcea822708b0932e0b49b9d7c6e341a7c83d24850

Asset: ETH  
Balance: 9.654263 SCOL

Amount: 1 SCOL  
Max      ↕  
No Conversion Rate Available

Transaction Fee:  
0.000258 SCOL      Reset

Cancel      Next

Haga clic en Confirmar para enviar su transacción

◀ Edit      Scolcoin Chain Testnet

Account 1 → Testnet Acco...

SENT ETHER

1

EDIT

GAS FEE      0.000378  
No Conversion Rate Available

AMOUNT + GAS FEE

TOTAL      1.000378  
No Conversion Rate Available

Reject      Confirm

Una vez que se confirme su transacción, verifíquela en el explorador de bloques haciendo clic en Detalles

**Account 1**  
0x5254...37cd

**9.4964 SCOL**

**History**

- #3 - 4/30/2020 at 12:39  
Sent Ether -1 SCOL  
**CONFIRMED**
- #2 - 4/30/2020 at 11:48  
Sent Ether -1 SCOL  
**CONFIRMED**
- #1 - 4/30/2020 at 11:28  
Sent Ether -1 SCOL

Haga clic en su cuenta para ver "Detalles"

**Account 1**  
0x5254...37cd

**8.4984 SCOL**

**Don't see your tokens?**  
Click on Add Token to add them to your account

[Add Token](#)

**Account 1**

0x525482AB392223...

[View account at testnet-rpc.scolcoin.com](#)

[Export Private Key](#)

[ADD TOKEN](#)

Verifique su transacción en Explorer:

The screenshot shows the Scolcoin Explorer homepage. At the top, there's a navigation bar with links for 'Blocks', 'Transactions', 'Tokens', 'APIs', and 'Scolcoin smartchain'. A search bar is also present. Below the header, there's a summary section with metrics: Price (\$0.026770 USD), Market Cap (Less than \$0.0000001 USD), Average block time (3 seconds), Total transactions (8,084), Total blocks (866,914), and Wallet addresses (1,033). Under the 'Recent Blocks' section, four blocks are listed: 5732724, 5732724, 5732724, and 5732724, each with 112 transactions from 5 seconds ago, validated by specific addresses. The 'Transactions' section shows one successful transaction: 0xd3f339e27315b40db87c30e430520fd88c1968e767533a0d31402d328b37813 Transfer from 0x21C710cACAFdD5d885094cD13988ee08700D26BD to 0x7d91c103C374B98Dc0163047f27852dc355A005, with a TX Fee of 12,500 SCOL. This transaction is part of Block #865810, 6 minutes ago.

## Agregar fichas SRC20

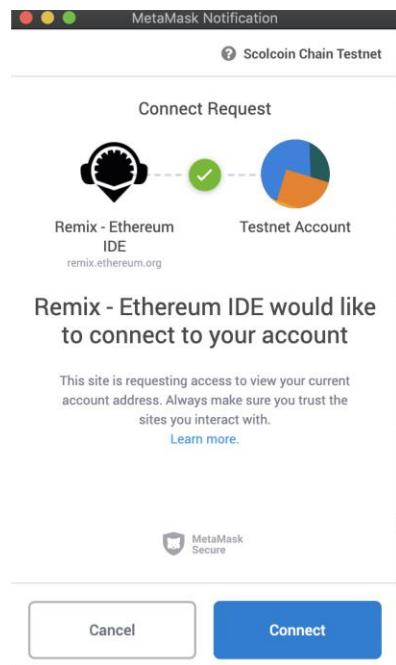
Implemente un contrato ERC20 en <https://remix.ethereum.org/> Puede crear un archivo nuevo o importar un contrato de muestra:

The screenshot shows the Remix Ethereum IDE. The top navigation bar has a 'Home' tab and a '1 tabs' indicator. The main interface features a logo of a blue fox-like creature and buttons for 'Learn more' and 'Use previous version'. Below this, there are sections for 'Environments' (Solidity, Vyper) and 'Featured Plugins' (Pipeline, MythX, Source Verify, Debugger, More). On the left, there's a 'File' sidebar with options for 'New File', 'Open Files', and 'Connect to Localhost'. On the right, there's a 'Resources' sidebar with links to 'Documentation', 'Gitter channel', and 'Medium Posts'.

Cel (57) 3157619684 – email: [info@scolcoin.com](mailto:info@scolcoin.com) – Pag 12



Conecte su cuenta de la cadena ScolCoin a Remix



Seleccione el contrato de su elección para realizar la prueba "ABCToken"

Código:

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.9;

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

contract ABCToken is ERC20 {
    constructor() ERC20("ABCToken", "ABC") {
        _mint(msg.sender, 1000 * 10 ** decimals());
    }
}
```



Se puede realizar con esta herramienta:  
<https://wizard.openzeppelin.com/#erc20>

The screenshot shows the OpenZeppelin Solidity Wizard interface. The top navigation bar includes links for Forum, Docs, GitHub, and Twitter. The main tabs are ERC20, ERC721, ERC1155, Governor, and Custom, with ERC20 selected. Below the tabs are sections for SETTINGS (Name: ABCToken, Symbol: ABC), FEATURES (Mintable, Burnable, Pausable, Permit, Votes, Flash Minting, Snapshots), and ACCESS CONTROL (Ownable). The central area displays the generated Solidity code for the ABCToken contract:

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.9;

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

contract ABCToken is ERC20 {
    constructor() ERC20("ABCToken", "ABC") {
        _mint(msg.sender, 1000 * 10 ** decimals());
    }
}
```

Buttons at the top right allow Copy to Clipboard, Open in Remix, and Download.

Ingréselo a remix

The screenshot shows the Remix IDE interface. The left sidebar displays the FILE EXPLORER with a workspace named 'codigo' containing several Solidity files like wlove.sol, DFA001.sol, cerA1.sol, scolcoin.sol, bitcointrust.sol, SCR20.Token.sol, SCR20.Token.sol\_flattened.sol, nuevo.sol, and ABCToken.sol. The central code editor window shows the ABCToken.sol code, which is identical to the one shown in the wizard. The bottom status bar indicates the network is connected to 'ether.js' and shows transaction history.

## Compile en Remix:

The screenshot shows the Remix IDE interface. On the left, the Solidity Compiler panel is open, showing version 0.8.19+commit.7dd6d404. The "Auto compile" checkbox is checked. Below it, the "Advanced Configurations" dropdown is set to "Compiler configuration". Under "LANGUAGE", "Solidity" is selected. The "EVM VERSION" dropdown is set to "default". The "Enable optimization" checkbox is checked, and the value "200" is selected. The "Contract" dropdown is set to "ABCToken (ABCToken.sol)". The main workspace displays the ABCToken.sol code:

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.9;

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

contract ABCToken is ERC20 {
    constructor() ERC20("ABCToken", "ABC") {
        _mint(msg.sender, 1000 * 10 ** decimals());
    }
}
```

## Habilite optimización en 200

This screenshot is identical to the one above, but the "Enable optimization" dropdown is explicitly set to "200". All other settings and the displayed ABCToken.sol code remain the same.

## Desplegar contrato ABCToken.sol

The screenshot shows the Remix IDE interface. On the left, the 'DEPLOY & RUN TRANSACTIONS' sidebar is open, showing the environment set to 'Remix VM (Merge)', account '0x5B3...edc4 (100 ether)', gas limit '300000', and value '0 Wei'. Below this, a dropdown menu for 'CONTRACT (Compiled by Remix)' is open, with 'ABCToken - contracts/ABCToken.sol' selected. The main code editor contains the Solidity code for ABCToken.sol:

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.9;

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

contract ABCToken is ERC20 {
    constructor() ERC20("ABCToken", "ABC") {
        _mint(msg.sender, 1000 * 10 ** decimals());
    }
}
```

The bottom right corner of the code editor has a note: 'Pulsa F11 para salir del modo de pantalla completa' (Press F11 to exit full screen mode).

## Selecciona Injected Provider

The screenshot shows the Remix IDE interface again, but this time the 'ENVIRONMENT' dropdown in the sidebar is set to 'Injected Provider'. Other options listed include 'Remix VM (Merge)', 'Remix VM (London)', 'Remix VM (Berlin)', 'Remix VM - Mainnet fork', 'Remix VM - Sepolia fork', 'Remix VM - Goerli fork', 'Remix VM - Custom fork', 'Custom - External Http Provider', 'Dev - Hardhat Provider', 'Dev - Ganache Provider', 'Dev - Foundry Provider', 'L2 - Optimism Provider', 'L2 - Arbitrum One Provider', and 'Wallet Connect'. The bottom left of the interface shows the URL 'https://remix.ethereum.org/#'.

## Implementamos el Contrato: botón Deploy

The screenshot shows the Remix Ethereum IDE interface. On the left, the 'DEPLOY & RUN TRANSACTIONS' sidebar is open, showing the environment set to 'Injected Provider' (Custom (6552) network), account '0x2c6...CDA63 (1 ether)', and gas limit '300000'. The main code editor contains the Solidity code for the ABCToken contract:

```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.9;

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

contract ABCToken is ERC20 {
    constructor() ERC20("ABCToken", "ABC") {
        _mint(msg.sender, 1000 * 10 ** decimals());
    }
}
```

Below the code, there are buttons for 'Deploy - transact (not payable)' and 'Publish to IPFS'. The status bar at the bottom indicates 'creation of ABCToken pending...'. To the right, a 'MetaMask Notification' window is open, showing the transaction details: 'IMPLEMENTACIÓN DE CONTRATO', 'DETALLES', and 'DATOS'. It shows a gas fee of 0.00063882 SCOL and a total cost of 0.00063882 SCOL. Buttons for 'Rechazar' (Reject) and 'Confirmar' (Confirm) are present.

The screenshot shows the same Remix interface after the contract has been deployed. The 'IMPLEMENTACIÓN de contrato' modal is open, displaying the transaction details:

- Estado:** Confirmado
- De:** 0x2c6...CDA63
- Para:** Contrato nuevo
- Transacción:**
  - Mientras tanto: 0
  - Importe: -0 SCOL
  - Límite De Gas (Unidades): 638825
  - Gas Usado (Unidades): 638825
  - Precio del gas: 1
  - Total: 0.00063882 SCOL

Buttons for '+ registro de actividad' and '+ Transaction data' are visible at the bottom of the modal. The status bar at the bottom indicates the transaction hash: '[block:72614 txIndex:0] from: 0x2c6...CDA63 to: ABCTok hash: 0x16c...956e6'.

## Miramos en el explorador de bloques

https://testnet-explorer.scolcoin.com/tx/0xe302dbccdfae24096ba9dde045ea7a09d9907cae663044a9bb909ad53dd22f6/token-transfers

**Transaction Details**

Transaction Hash	0xe302dbccdfae24096ba9dde045ea7a09d9907cae663044a9bb909ad53dd22f6
Result	Success
Status	Confirmed
Block	72614
Timestamp	A minute ago   March-15-2023 10:44:37 AM +5 UTC   Confirmed within <= 3.0 seconds
From	0x2c64ee326030041ff262525280571566e95cda63
To	[Contract 0xa9adabf49a51af3bc66a5e087f6393ad0e8f516c created]
Tokens Minted	From: 0x00 To: 0x2c64eE326030041F262525280571566e95CDA63 For: 1,000 ABC
Value	0 SCOL
Transaction Fee	0.000533673 SCOL
Gas Price	1 Gwei

https://testnet-explorer.scolcoin.com/tokens

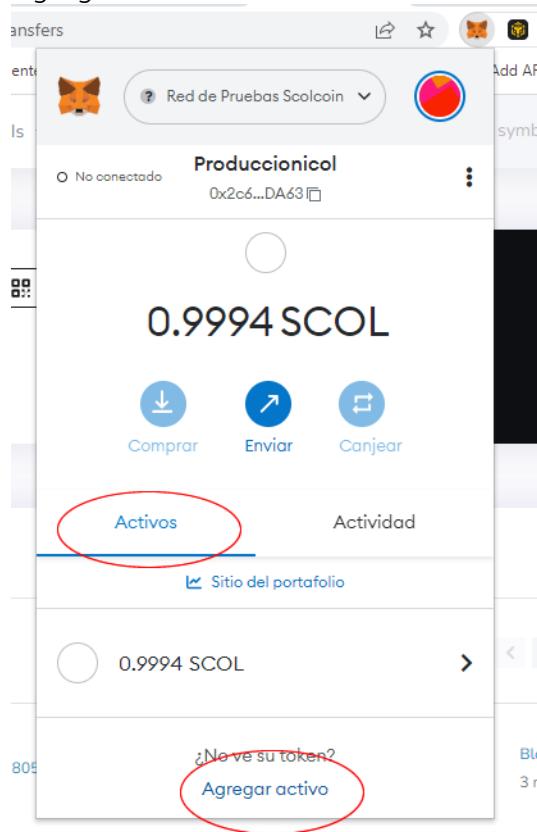
**Tokens**

Token	Address	Total Supply	Holders Count
1 ABCToken (ABC)	0xA9Adabf49a51af3Bc66A5e087f6393aD0E8E516c	1,000 ABC	1

Scolcoin Testnet

Add Scolcoin Network

## Agregamos el Token



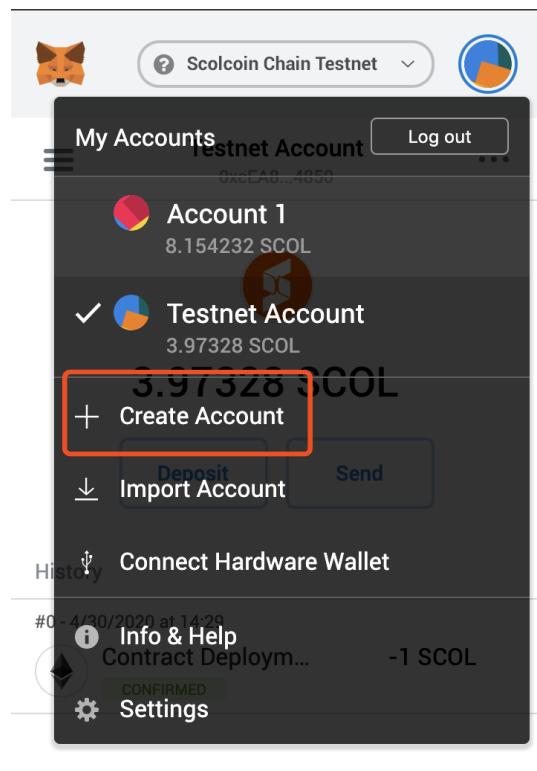
## Colocamos en la dirección del contrato el hash del token ABCtoken

The image contains three screenshots of the Scolcoin wallet interface:

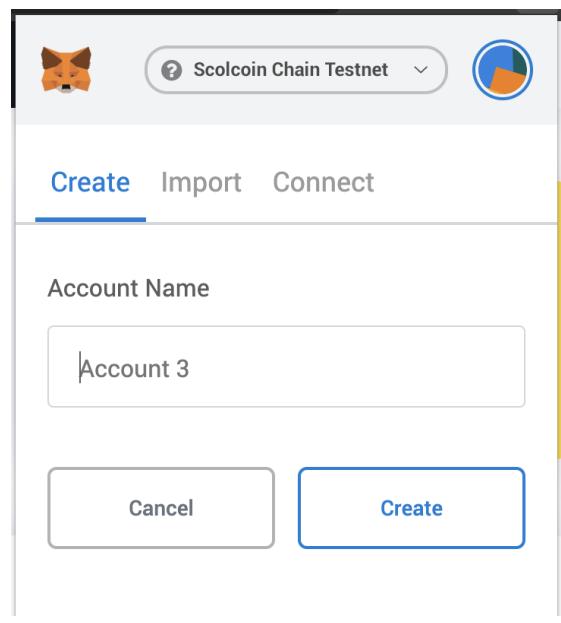
- Left Screenshot:** Shows the 'Importar tokens' dialog. It has fields for 'Dirección de contrato de token' containing '51af3Bc66A5e087F6393aD0E8F516d', 'Símbolo del token' set to 'ABC', and 'Decimales del token' set to '18'. A blue button at the bottom right says 'Añadir token personalizado'.
- Middle Screenshot:** Shows the confirmation dialog 'Importar tokens'. It lists a single token entry: 'Token' is 'ABC', 'Saldo' is '1000 ABC', and there's a small icon of the ABC token symbol.
- Right Screenshot:** Shows the main wallet interface after the token was added. It displays '1000 ABC' in the balance section, with 'Enviar' and 'Canjear' buttons below. A message at the bottom right says 'No tiene transacciones'.

## Crear varias cuentas

Para crear varias cuentas, haga clic en el ícono Perfil en MetaMask y luego haga clic en Crear cuenta



A continuación, puede agregar un nombre de cuenta y hacer clic en Crear.

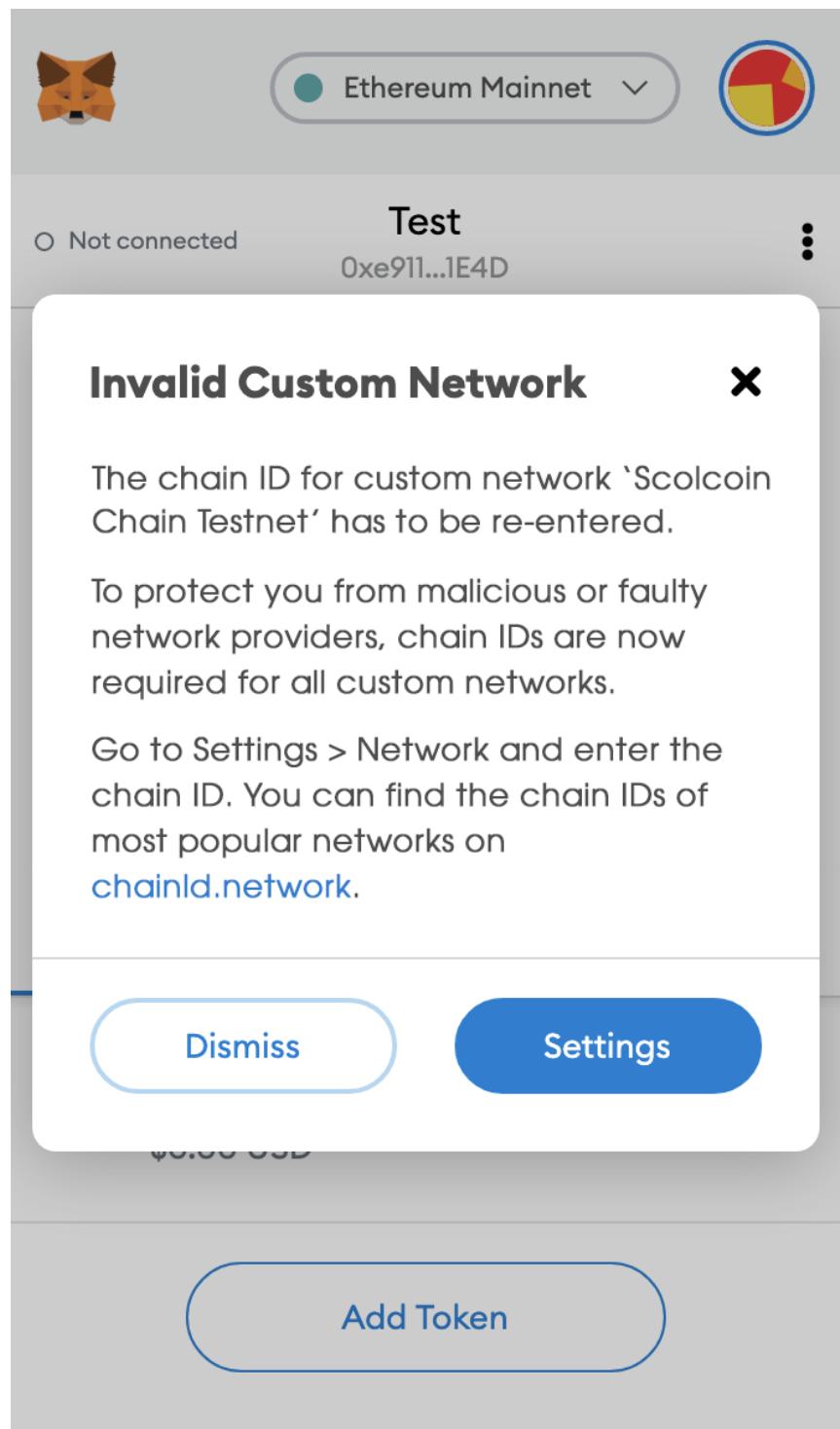


¡Entonces puede ver que se crea una nueva cuenta!

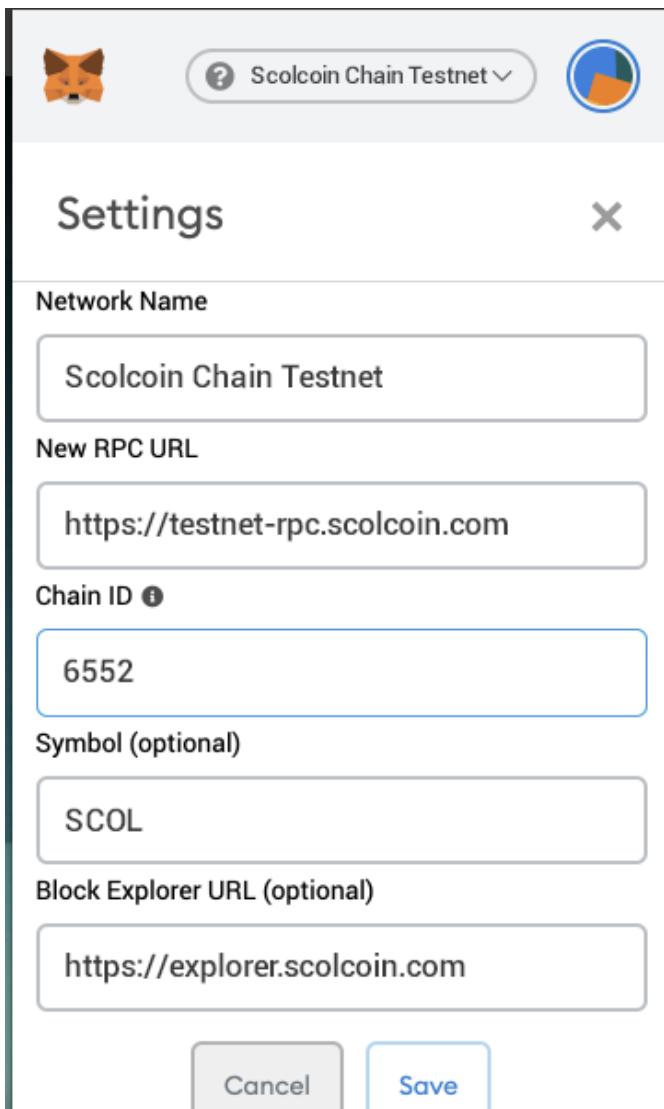
The screenshot shows a mobile application interface for the Scolcoin Chain Testnet. At the top, there is a navigation bar with a fox icon, a dropdown menu labeled "Scolcoin Chain Testnet", and a circular profile picture. Below the navigation bar, the account information is displayed: "Account 3" and the address "0x843e...38E5". To the left of the address is a three-line menu icon. To the right is a three-dot more options icon. In the center, there is a large orange circular icon containing a white stylized letter 'S'. Below this icon, the text "0 SCOL" is prominently displayed. Underneath the balance, there are two blue-outlined buttons: "Deposit" on the left and "Send" on the right. At the bottom of the screen, there is a section titled "History" with the message "You have no transactions".

## Mejora

Desde el lanzamiento de v8.1.3, MetaMask a veces muestra el mensaje de advertencia "Red personalizada no válida".



Para resolver este problema, haga clic en "Configuración" e ingrese nuevamente el ID de cadena de la red ScolCoin Chain. Si 56 no funciona, prueba con 0x38 .



### Test Net Red de Pruebas Scolcoin

Network Name:  
Scolcoin Chain Testnet

Nueva dirección URL de RPC  
<https://testnet-rpc.scolcoin.com>

Identificador de cadena  
6552

Símbolo de moneda  
SCOL

Dirección URL del explorador de  
bloques  
<https://testnet-explorer.scolcoin.com>

