

Cómo Ingresar a la Red Principal.



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

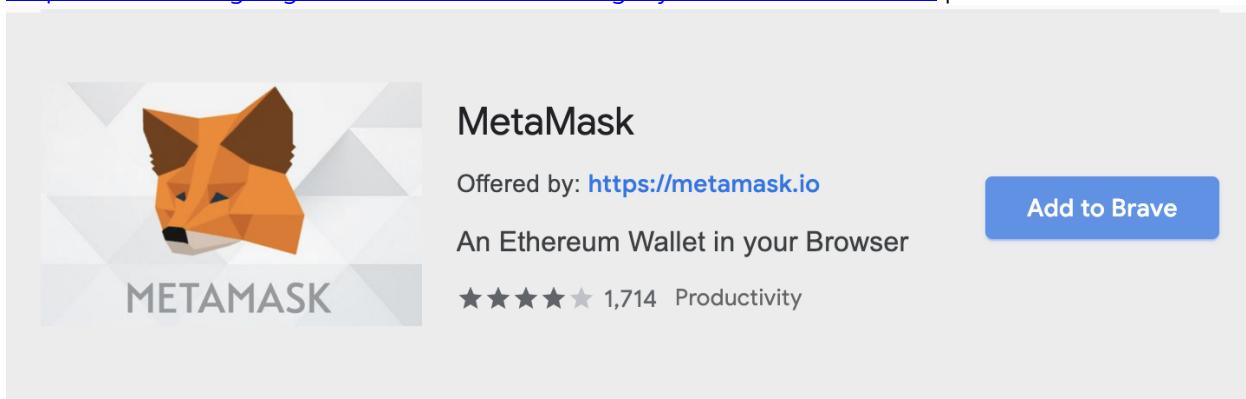
- Descargar la aplicación en su dispositivo.
- Crear Frase de Seguridad y almacenarla en un lugar seguro.

Instalar

Ejemplo: instalar MetaMask en el navegador Brave

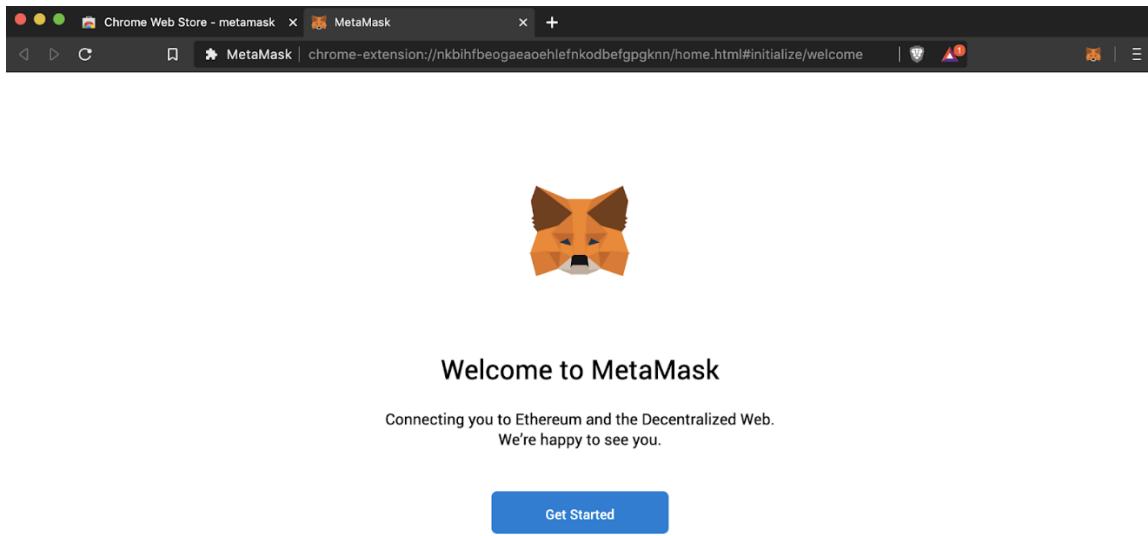
Abrir categoría de extensión en Brave:

<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 extension's setup interface in a browser window. The title bar reads "Chrome Web Store - metamask" and "MetaMask". The main content asks "New to MetaMask?". It provides 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.



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.](#)

[Remind me later](#)

[Next](#)

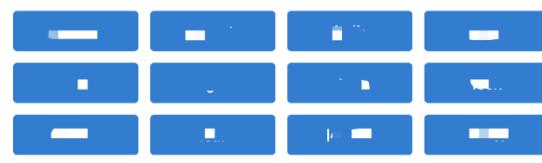
Seleccione cada frase para asegurarse de que sea correcta y luego haga clic en "Confirmar".



< 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

The screenshot shows the MetaMask extension running in a browser. The main interface displays 'Account 1' with 0 ETH and \$0.00 USD. A 'Details' button is visible. To the right, a sidebar titled 'My Accounts' shows 'Account 1' (0 ETH) with a 'Send' button. Other options include 'Create Account', 'Import Account', 'Connect Hardware Wallet', 'Info & Help', and 'Settings'. The 'Settings' button is highlighted with a red border.

Agregar una nueva red

Nombre de la red

Scolcoin Wei Chain

Nueva dirección URL de RPC<https://mainnet-rpc.scolcoin.com>**Identificador de cadena** ⓘ

65450

Símbolo de moneda

SCOL

Dirección URL del explorador de bloques (Opcional)<https://explorer.scolcoin.com/>**Eliminar****Cancelar****Guardar**

Felicitaciones Lograste la Red Principal:

The screenshot shows the MetaMask extension interface. At the top, it says "METAMASK". Below that, there's a "Testnet Account" section with a blue circular icon and the address "0xEAB...4850". To the right, it shows "0 SCOL" with a orange circular icon. There are "Deposit" and "Send" buttons. Below the account info, it says "History" and "You have no transactions". At the bottom, it says "Don't see your tokens? Click on Add Token to add them to your account." and has a "Add Token" button.

Configuración:

Network Name:

Scolcoin Wei Chain

Nueva dirección URL de RPC:

<https://mainnet-rpc.scolcoin.com>

Identificador de cadena:

65450

Símbolo de moneda:

SCOL

Dirección URL del explorador de bloques:

<https://explorer.scolcoin.com/>

Otra Forma mas sencillas es siguiendo estos pasos:

Step 1:

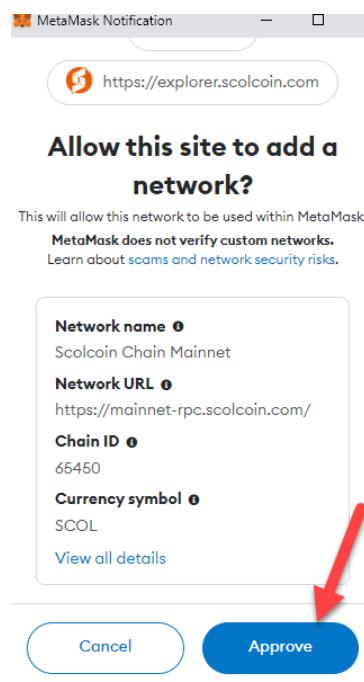
Abrir el explorador <https://explorer.scolcoin.com/>

En la esquina inferior lado derecho en el pie de pagina encontraras agregar Scolcoin Network a tu metamask



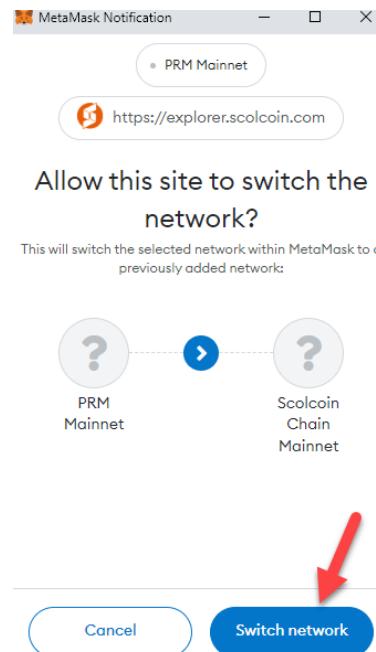
Step 2:

Haga clic en Aprobar



Step 3:

Haga clic en Cambiar red



Step 4:

Felicidades estarás en la Red Principal.

Transferir SCOL a otra dirección de la cadena ScolCoin:

Inicie sesión en su MetaMask

The screenshot shows the MetaMask extension interface on the Scolcoin Chain Testnet. On the left, under 'Testnet Account', it displays a balance of 4 SCOL with a placeholder address 0xCEA8...4850. A button labeled 'Add Token' is present. On the right, under '4 SCOL', there is a 'Deposit' button and a 'Send' button. Below these buttons is a message stating 'You have no transactions'.

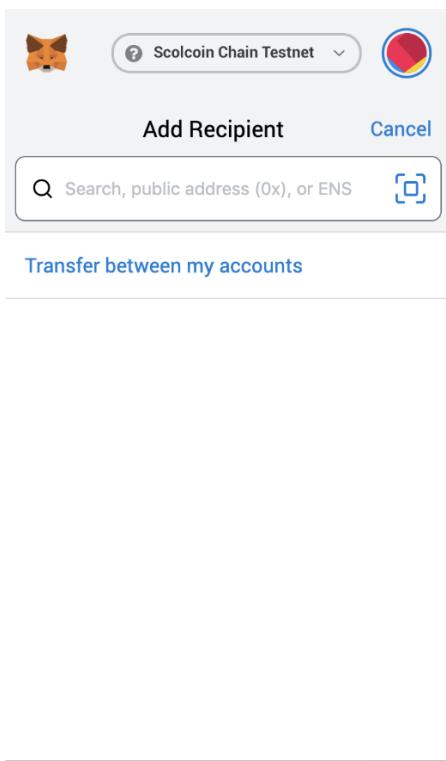
- Haga clic en el botón Enviar

The screenshot shows the MetaMask extension interface on the Scolcoin Chain Testnet. It displays 'Account 1' with the address 0x5254...37cd. The balance is 9.49644 SCOL. The 'Send' button is highlighted with a red box. Below the balance, the transaction history shows three previous transactions: #2, #1, and #0, all of which sent Ether and are marked as 'CONFIRMED'.

Index	Date	Action	Value	Status
#2	4/30/2020 at 11:48	Sent Ether	-1 SCOL	CONFIRMED
#1	4/30/2020 at 11:28	Sent Ether	-1 SCOL	CONFIRMED
#0	4/30/2020 at 11:23	Sent Ether	-1 SCOL	CONFIRMED

Copie la dirección del destinatario en el cuadro





Ingrese la cantidad

Send ETH

Cancel

Testnet Account
0xcea822708b0932e0b49b9d7c6e341a7c83d24850

Asset: ETH
Balance: 9.48824 SCOL

Amount:
1 SCOL
Max
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

Send Amount: 1 ETH

Transaction Fee: 0.000378 ETH

New Total: 1.000378 ETH

Save

Confirme su transacción, luego haga clic en Siguiente

Scolcoin Chain Testnet

Send ETH

Cancel

Testnet Account: 0xcea822708b0932e0b49b9d7c6e341a7c83d24850

Asset: ETH Balance: 9.654263 SCOL

Amount: 1 SCOL No Conversion Rate Available

Transaction Fee: 0.000258 SCOL 0.000258 SCOL

Cancel Next

Haga clic en Confirmar para enviar su transacción

[Edit](#) Scolcoin Chain Testnet

Account 1 → Testnet Acco...

SENT ETHER

1

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

Scolcoin Chain Testnet

Account 1
0x5254...37cd

9.4964 SCOL

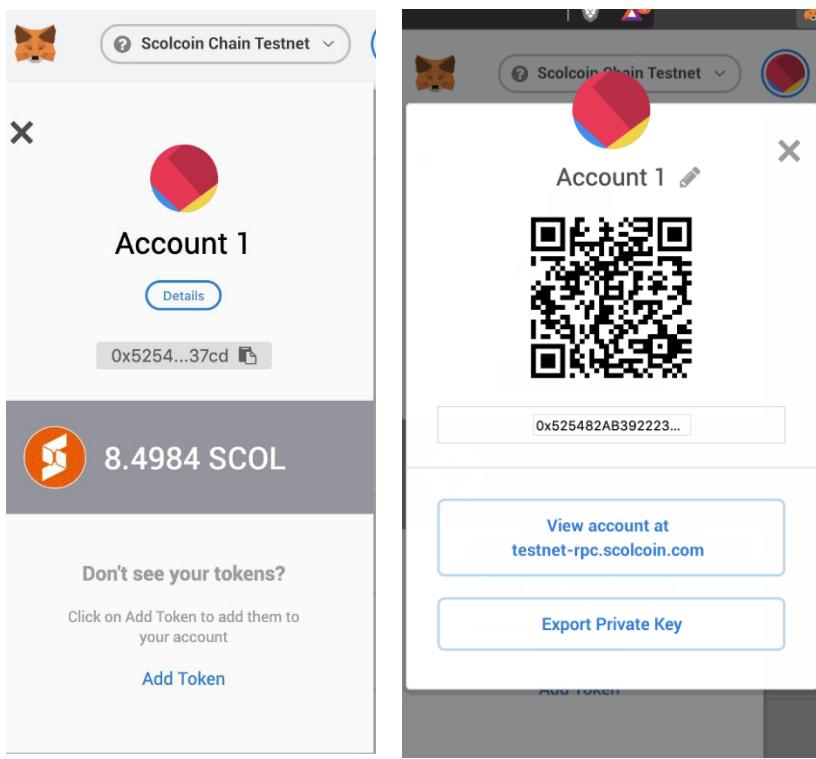
[Deposit](#) [Send](#)

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"





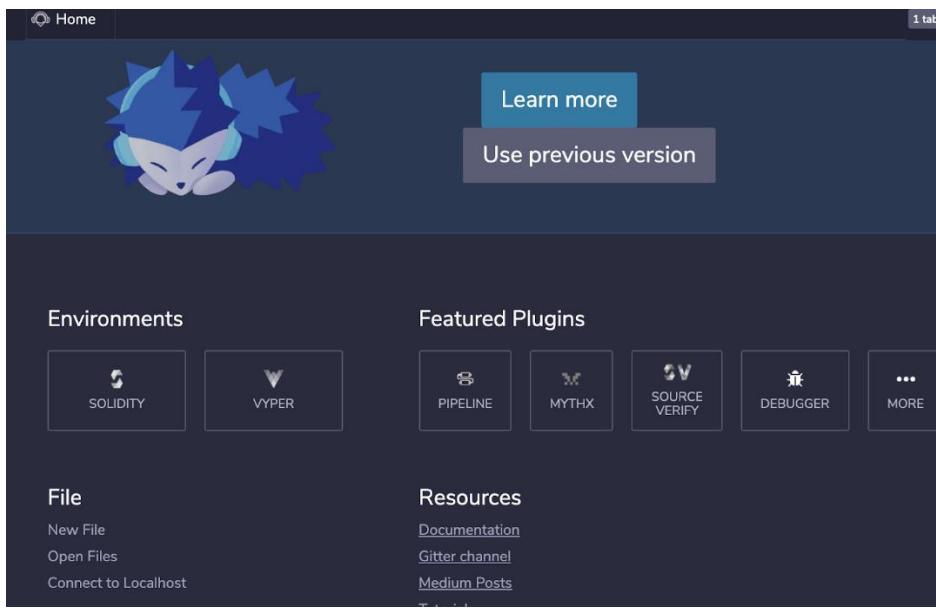
Verifique su transacción en Explorer:

Cel (57) 3157619684 – email: info@scolcoin.com – Pag 13

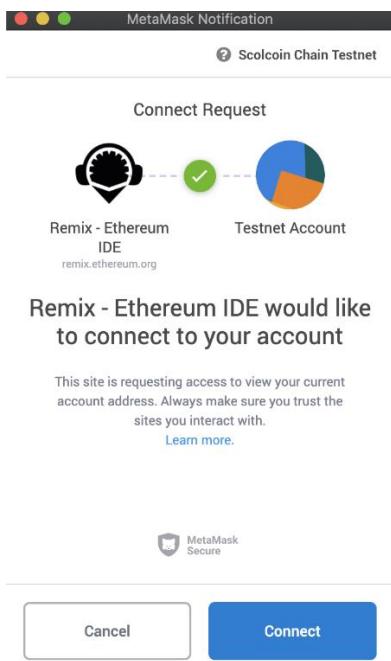


Agregar fichas SRC20

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



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>



OpenZeppelin | contracts

Solidity Wizard **Online Wizard**
Pulsa F11 para salir del modo de pantalla completa

Forum Docs GitHub Twitter

ERC20 ERC721 ERC1155 Governor Custom

Copy to Clipboard Open in Remix Download

SETTINGS

Name	Symbol
ABCToken	ABC

Premint
1000

FEATURES

- Mintable
- Burnable
- Pausable
- Permit
- Votes
- Flash Minting
- Snapshots

ACCESS CONTROL

- Ownable

```
// 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());
    }
}
```

Ingréselo a remix

The screenshot shows the Remix IDE interface. On the left is the File Explorer with a workspace named 'codigo' containing several Solidity files like 'wllove.sol', 'cerA1.sol', 'scolcoin.sol', etc., and some flat files. The central area is the code editor with the following Solidity code:

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

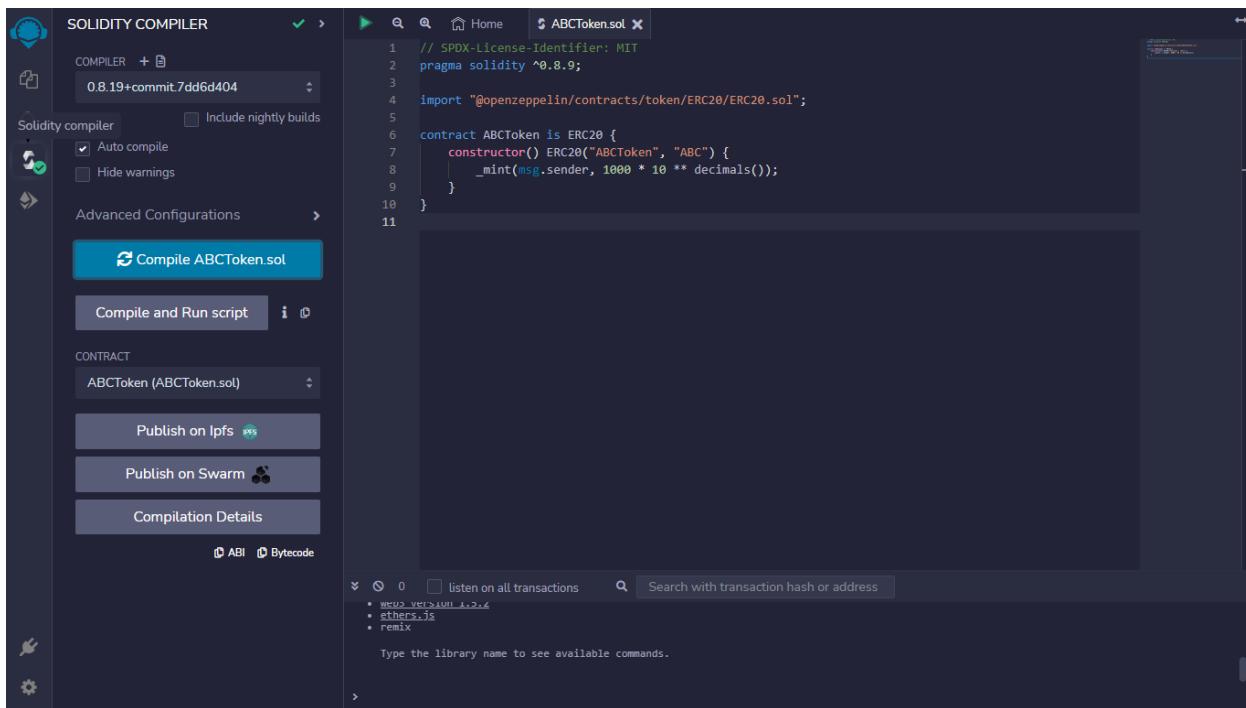
import "@openzeppelin/contracts/token/ERC20/ERC20.sol";

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

At the bottom, the terminal window shows the command 'npx hardhat compile' and the output 'Compiling 1 source file...'. The status bar indicates '0' transactions.

Compile en Remix:





SOLIDITY COMPILER

COMPILER + 0.8.19+commit.7dd6d404

Solidity compiler

- Auto compile
- Hide warnings

Advanced Configurations

Compile ABCToken.sol

Compile and Run script

CONTRACT

ABCToken (ABCToken.sol)

Publish on Ipfs

Publish on Swarm

Compilation Details

ABI Bytecode

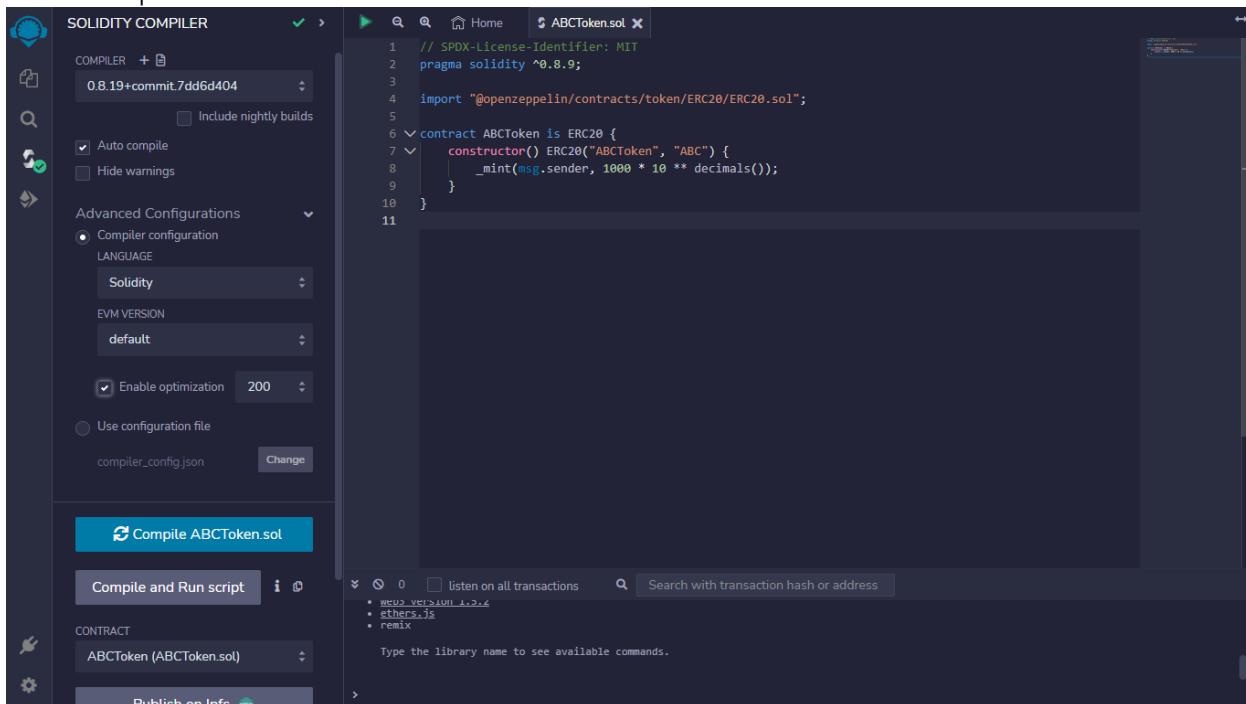
```
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.9;

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

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

0 listen on all transactions Search with transaction hash or address

Habilite optimización en 200



SOLIDITY COMPILER

COMPILER + 0.8.19+commit.7dd6d404

Solidity compiler

- Auto compile
- Hide warnings

Advanced Configurations

Compiler configuration

LANGUAGE

Solidity

EVM VERSION

default

Enable optimization 200

Use configuration file

compiler_config.json Change

Compile ABCToken.sol

Compile and Run script

CONTRACT

ABCToken (ABCToken.sol)

Publish on Ipfs

```
// 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());
    }
}
```

0 listen on all transactions Search with transaction hash or address

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 central area displays the Solidity code for ABCToken.sol:

```

1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.9;
3
4 import "@openzeppelin/contracts/token/ERC20/ERC20.sol";
5
6 contract ABCToken is ERC20 {
7     constructor() ERC20("ABCToken", "ABC") {
8         _mint(msg.sender, 1000 * 10 ** decimals());
9     }
10 }

```

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 same Remix IDE interface as above, but the environment dropdown now has 'Injected Provider' selected. The rest of the interface remains the same, with the Solidity code for ABCToken.sol displayed in the center.

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:

- DETALLES**
- Tarifa estimada de gas**: 0.00063882 SCOL
- Total**: 0.00063882 SCOL
- Cantidad + tarifa de gas**: Cantidad máxima: 0.00063882 SCOL

At the bottom right of the notification window are 'Rechazar' and 'Confirmar' buttons.

The screenshot shows the Remix Ethereum IDE interface again. The 'DEPLOY & RUN TRANSACTIONS' sidebar is open with the same settings. The main code editor shows the same ABCToken contract code. The status bar at the bottom indicates '[block:72614 txIndex:0] from: 0x2c6...CDA63 to: ABCTok hash: 0x16c...956e6'. To the right, a modal window titled 'Implementación de contrato' displays the transaction details:

Estado	Ver en el explorador de bloques
Confirmado	Copiar id. de transacción
De	Para
0x2c6...CDA63	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

Below the table, there are sections for '+ registro de actividad' and '+ Transaction data'. The status bar at the bottom indicates '10:45 a.m. 15/03/2023'.

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

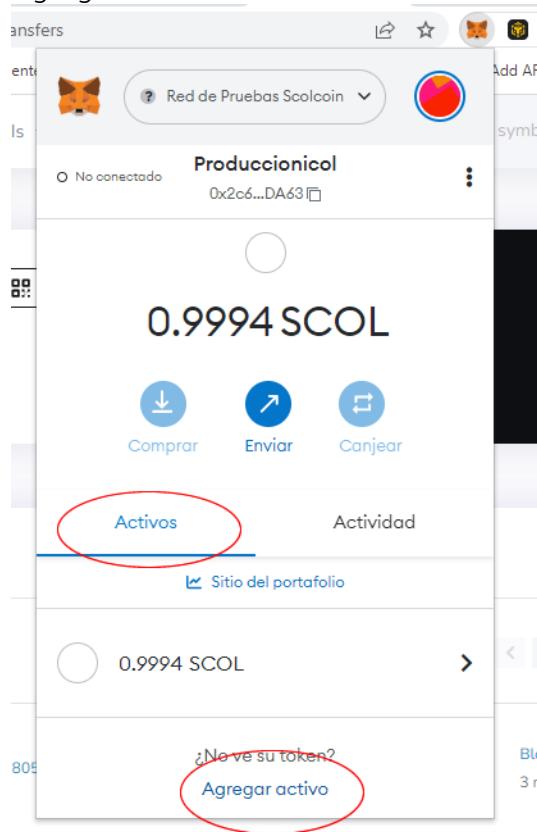
<https://testnet-explorer.scolcoin.com/tokens>

Tokens

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

[Add Scolcoin Network](#)

Agregamos el Token



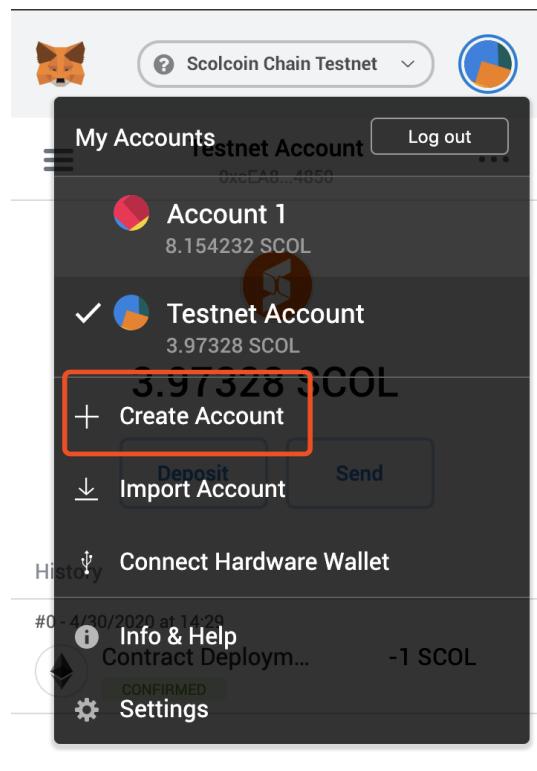
Colocamos en la dirección del contrato el hash del token ABCtoken

The image contains three screenshots of the Scolcoin wallet interface:

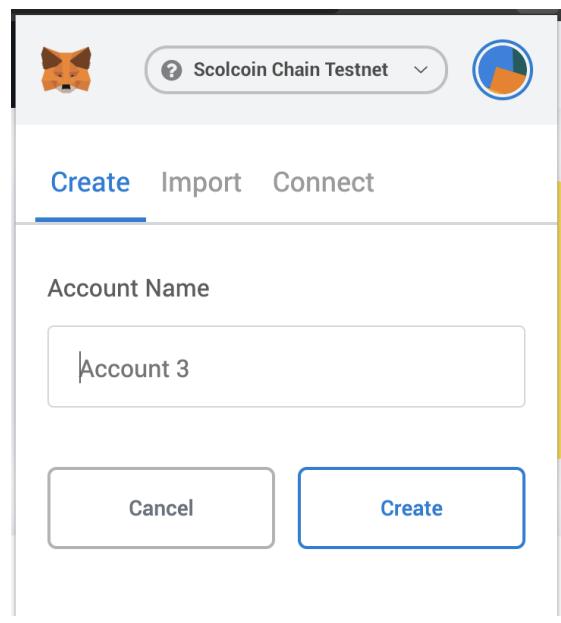
- Left Screenshot:** Shows the 'Importar tokens' (Import tokens) dialog. It has fields for 'Dirección de contrato de token' (Contract address of the token) containing '51af3Bc66A5e087F6393aD0E8F516d', 'Símbolo del token' (Token symbol) set to 'ABC', and 'Decimales del token' (Decimals) set to '18'. A red circle highlights the blue 'Añadir token personalizado' (Add personalized token) button at the bottom.
- Middle Screenshot:** Shows the confirmation dialog after adding the token. It lists the token 'ABC' with a balance of '1000 ABC'. A red circle highlights the blue 'Importar tokens' (Import tokens) button at the bottom.
- Right Screenshot:** Shows the main wallet interface with the newly added token. It displays a balance of '1000 ABC' and two buttons: 'Enviar' (Send) and 'Canjear' (Exchange). A red circle highlights the balance '1000 ABC'.

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 the Scolcoin Chain Testnet interface. At the top, there is a navigation bar with a fox icon, a dropdown menu labeled "Scolcoin Chain Testnet", and a blue 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 rectangular buttons with rounded corners: "Deposit" on the left and "Send" on the right. At the bottom of the screen, the word "History" is visible, followed by the message "You have no transactions".